

CLAIMS:

1. A hair brushing appliance comprising:
 - a housing,
 - 5 a motor located within the housing,
 - a brush extending from the housing,
 - a transmission relaying output torque of the motor to the brush, and
 - a slippage mechanism associated with the transmission

10 to allow the motor to turn, should the roller stop turning in use.
2. The appliance of Claim 1 further comprising a heater and a fan blowing air across the heater to the roller.
- 15 3. The appliance of Claim 1 wherein the transmission comprises a gearbox.
4. The appliance of Claim 3 wherein the slippage
20 mechanism comprises a clutch associated with gears in the gearbox.
5. The appliance of Claim 3 wherein the clutch comprises a plurality of profiled intermeshing teeth.
- 25 6. The appliance of Claim 5 further comprising a spring biasing the profiled teeth into engagement with one another and wherein force applied by the spring upon the

clutch defines a pre-set torque transmission limit of the gearbox.

7. The appliance of Claim 4 wherein the clutch is formed integrally with a gear of the gearbox.